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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet of 12

S. A.	Complete if Known	入了
Application Number	09/637,621	0
Filing Date	August 11, 2000	>
First Named Inventor	Lovatt, Carol J.	
Group Art Unit	1754	
Examiner Name	Langel, W.	
Attorney Docket Number	02307O-114840US	

				U.S. PATENT DOCUM	MENTS	
Examiner Initials *	Cite No. ¹	U.S. Patent Door Numb Kind C er (if know	ode ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WAL	AA	1,976,905		Thordarson	10-16-1934	
WAL	AB	2,663,628	-	Thomsen	12-22-1953	
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WAL	AD	3,798,020		Parham, et al.	03-19-1974	
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WAC	AAD	5,736,313	Α	Spargo, et al.	04-07-198898	
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WAL	AAF	5,800,837	Α	Taylor	09-01-1998	

Date Examiner Considered Signature

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Sheet

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02307O-114840US

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control flux for Substitute for form 1449A/PTO Complete if Known **Application Number** 09/637,621 **巡哨FORMATION DISCLOSURE Filing Date** August 11, 2000 STATEMENT BY APPLICANT **First Named Inventor** Lovatt, Carol J. Group Art Unit 1754 (use as many sheets as necessary) **Examiner Name** Langel, W.

Attorney Docket Number

Т		U.S. Patent Doc	umont	U.S. PATENT DOCUM		
Examiner Initials *	Cite No.1	Numb Kind C er (if kno	ode ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WAY	AAG	5,830,255	Α	Lovatt	11-03-1998	
WAS	AAH	6,113,665	Α	Lovatt	09-05-2000	
WAU	AAI	6,169,057	B1	Lovatt	01-02-2001	
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				FOREIG	N PATENT DOCUM	MENTS		
	0.1	For	eign Patent Docur	nent	Name of Patentee or	Date of Publication	Pages, Columns, Lines,	
Examiner Initials*	Cite No. ¹	Office ³	Number.	ind Code ⁵ if known)	Applicant of Cited Document	of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T°
WAS	BA	FR	2359077		Bonnet, J.F.	07-1976		
WAL	BB	FR	2389587		Santini, F.H.	01-1979		
WAL	ВС	RU	655373		Kozhevnikova, N.V.	04-1979		
WAC	BD	JP	61- 291482		Yokoyama, T.	12-22-1986		
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WAL	BG	JP	4-74784		Mitsubishi Gas Co. Inc.	03-10-1992		

Examiner	1.11.15 . 1.11.61	Date	1/ 1
Signature	WAPNE A. LANGEL	Considered	4-10-02

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¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



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Attorney Docket Number

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 09/637,621 **Filing Date** August 11, 2000 **First Named Inventor** Lovatt, Carol J. **Group Art Unit** 1754 **Examiner Name** Langel, W. 02307O-114840US

(use as many sheets as necessary)

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(E)		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
WAL	1	Acadian Seaplants Ltd. (publisher) Product and Technical Information Sheet for Ascophyllum Nodosum Seaweed Meal and Flour-Products, 2 pages. (No Date).	
WAL	2	Adams, et al. "Transition of Phosphite to Phosphate in Soils" Soil Science (1953) Vol. 75, pp. 361-371. (no month)	
WAL	3	Agrichem Product Sheet for Supa K30, published by Agrichem Manufacturing Ind.: Australia, 3 pages (No Date).	
WAL	4	Agrichem Product Sheet for Supa Link, by Agrichem Manufacturing Ind.: Australia, 2 pages (No date).	
WAL	5	Agrichem Product Sheet for Supa Stand Phos, published by Agrichem Manufacturing Ind.: Australia, 4 pages (No Date).	
WAL	6	Agrichem Product Information Brochure for "Supa Stand Phos: Supa Crop," subtitled "For the Cotton and Corn Farmer," published by Agrichem Manufacturing Ind.: Australia, 1 page (Oct. 1990).	
WAL	. 7	Agrichem Product Sheet for Supa Crop, published by Agrichem Manufacturing Ind.: Australia, 1 page (No Date).	
WAL	- 8	Agrichem, Correspondence between Agrichem and Dept. of Primary Industries, Queensland Government, 24 pages (No Date).	
WAL	- 9	Agrichem Product Information Brochure for "Supa Stand Phos: Supa Protective Pop-Up Starter," published by Agrichem Manufacturing Ind.: Australia, 2 pages (Aug. 1990).	
WAL	10	Agrichem Product Information Brochure for "Kelpak: Liquid Seaweed Concentrate 'Ecklonia Maxima'," published by Agrichem Manufacturing Ind.: Australia, 1 page. (No Date).	
WAL	11	Agrichem Information Brochure for "Organic Extract: Typical Analysis," published by Agrichem Manufacturing Ind.: Australia, 1 page (No Date).	
WAL	12	Agrichem Manufacturing Ind., "Water Injection and Foliar Trials 1990/91: Cotton & Maize" published by Agrichem Manufacturing Ind.: Australia (1990-1991), 3 pages. (no month)	

Examiner Signature	WAYNE A, LANGEL	Date Considered	4-10-02

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 09/637,621

Filing Date August 11, 2000

First Named Inventor Lovatt, Carol J.

Group Art Unit 1754

Examiner Name Langel, W.

(use as many sheets as necessary)

Attorney Docket Number 023070-114840US

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3/4		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
WAL	13	Agrichem Product Sheet for Supa Link, published by Agrichem Manufacturing Ind.: Australia, 2 pages (No Month). (2006)	
WAL	14	Alexander, Martin "Introduction to Soil Microbiology" Published by John Wiley & Sons, Inc. (No Date) pp. 352-369.	
WAL	15	Aly, et al. "Effect of Meteorological Factors and Fertilization on Barley Powdery Committee Mildew Infection" Agricultural Research Review (1987) Vol. 65(2), pp. 233-242.	70 700
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WAL	18	Biagro, S.A. "Metalosate F, Cobre, and S" product data sheet; Valencia, Spain (No Date).	
WAL	19	Product catalog of Biagro (Bioestimulantes Agricolas, S.A.), a Spanish company, undated but believed to be before Feb. 7, 1993, (with one English translation of all of the fifth page (the page containing Metalosate-F product) and another English translation of only the three Metalosate product on the fifth page).	
WAL	20	Bompeix e al., "Modalités de l'obtention des nécroses bloquantes sur feuilles détachées de Tomate par l'action du tris-O-éthyl phosphonate d'aluminium (phoséthyl d'aluminium), hypothéses sur son mode d'action in vivo," Ann. Phytophathol., 12:4, pp. 337-351, 1980 (French with English translation) (No Month).	
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WAL	22	Brennan, et al. "Effect of Superphosphate and Superphosphate Plus Flutriafol on Yield and Take-all of Wheat" Australian Journal of Experimental Agriculture (1989) Vol. 29(2), pp. 247-252. (In o month)	
WAL	23	Letter from the California Department of Food and Agriculture, dated Nov. 17, 1993, to Biagro Western Sales, Inc., and attached labeling information.	

Signature 1 / / / / Considered 2/ / / /	Examiner Signature	WAYNE A. LANGEL	Date Considered	4-10-02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 09/637,621

Filing Date August 11, 2000

First Named Inventor Lovatt, Carol J.

Group Art Unit 1754

Examiner Name Langel, W.

(use as many sheets as necessary)

heet 5 of 12 Attorney Docket Number 02307O-114840US

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E.		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
WAL	24	California Fertilizer Association, "Western Fertilizer Handbook" Soil Improvement Committee, California Fertilizer Association, Horticulture Ed. Interstate Publishers, Danville, Ill. (1990).	
WAL	25	Clark, et al. "Fertilizer Trial Using Water Injection Technique with Supracrop Products" Report by D.Q. Clark & Associates Pty Ltd. (July 1991), 8 pages.	
WAL	26	Coffery, et al. "Phosphonates: Antifungal Compounds Against Oomycetes" California Avocado Growers Yrbk Nitrogen, Phosphorus and Sulphur Utilization by Fungi Symposium of the British Mycological Society (1988), pp. 106-129.	mon
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WAL	33	Fahmy, et al. "Some Factors Affecting the Incidence of Potato Brown Rot" Assignt Journal of Agricultural Sciences (1990) Vol. 21(5), pp. 221-230. Cho Month)
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Examiner Signature WAYNE A, LANGEL	Date Considered	4-10-02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 09/637,621 **Filing Date** August 11, 2000 **First Named Inventor** Lovatt, Carol J. **Group Art Unit** 1754 **Examiner Name** Langel, W.

(use as many sheets as necessary)

Attorney Docket Number 02307O-114840US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
WAL	35	Fenn, et al. "Quantification of Phosphonate and Ethyl Phosphonate in Tobacco and Tomato Tissues and Significance for the Mode of Action of Two Phosphonate Fungicides" <i>Phytopathology</i> (1989) Vol. 79(1), pp. 76-82. (In a mode)	ith
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Examiner Signature	WAYNE A.	LANGEL	Date Considered	4-10-02
Signature	1 77 77 2 77.	•	Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	Complete if Known	7
Application Number	09/637,621	
Filing Date	August 11, 2000	
First Named Inventor	Lovatt, Carol J.	
Group Art Unit	1754	
Examiner Name	Langel, W.	
Attorney Docket Number	02307O-114840US	

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196		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
WAL	47	Hartley et al., part of "Experimental Methods for Studying Equilibria I," chapter 7 in Solution Equilibia, Ellis Norwood Limited, 1980, pp. 124-127 (No Month).	
WAL	48	Huber, Dr. Don M., "Micronutrients and Plant Disease" Crop Management, Ag Consultant (February 1994).	
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WAL	54	Lawton, Kirk, "Phosphate Fertilizer in Irrigation Water" Source Unknown (No date) pp. 1532-1533.	
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WAL	56	Lovatt, Carol J., "A Definitive Test to determine Whether Phosphite Fertilization Can Replace Phosphate Fertilization to Supply P in the Metabolism of 'Hass' on 'Duke 7.' A Preliminary Report," 4 pages (1992) (No Month Available).	
WAL	57	Lovatt, "Avocado Research Project Plan and Grant Requirements," a grant proposal presented to the California Avocado Society for fiscal year 1990-1991(No Month).	

		1		<u> </u>
Examiner Signature	WAYNE A.	LANGEL	Date Considered	4-10-02

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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/637,621

Filing Date August 11, 2000

First Named Inventor Lovatt, Carol J.

Group Art Unit 1754

Examiner Name Langel, W.

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et 8 of 12 Attorney Docket Number 02307O-114840US

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-40		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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WAL	58	Lovatt, Carol J. "A Definitive Test to Determine Whether Phosphite Fertilization can Replace Phosphate Fertilization to Supply P in the Metabolism of 'Hass' on Duke 7. – a Preliminary Report" <i>Proc. of Second World Avocado Congress</i> (1992), Unknown Citrograph (1990) Vol. 75(7), p. 161. (ho morit 1)	
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Examiner	WAYNE	4	1 ANSEL	Date	4-10-02
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Application Number 09/637,621

Filing Date August 11, 2000

First Named Inventor Lovatt, Carol J.

Group Art Unit 1754

Examiner Name Langel, W.

(use as many sheets as necessary)

eet 9 of 12 Attorney Docket Number 02307O-114840US

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Sice		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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Examiner Signature	WAYNE A, LANGEL	Date Considered	4-10-02

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	Complete if Known	
Application Number	09/637,621	
Filing Date	August 11, 2000	Ma
First Named Inventor	Lovatt, Carol J.	1000
Group Art Unit	1754	C , °
Examiner Name	Langel, W.	
Attorney Docket Number	02307O-114840US	

is constant		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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Examiner Signature WAYNE A. LANGEL	Date Considered 4-10-02	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 09/637,621 Filing Date August 11, 2000 **First Named Inventor** Lovatt, Carol J. Group Art Unit 1754 **Examiner Name** Langel, W.

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02307O-114840US Attorney Docket Number

PICE		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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Examiner Signature	WAYNE A. LANGEL	Date Considered	4-10-02	
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1754

Langel, W.

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Attorney Docket Number 02307O-114840US

Group Art Unit

Examiner Name

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T² Cite item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Examiner number(s), publisher, city and/or country where published. Initials * No.1 Ward, B. W., "Assessing Phosphorus Buildup in Crop Acreage – The Upper Vermilion Watershed Project", Better Crops with Plant Food: Published by the 103 Potash & Phosphate Institute (PPI) Norcross, Georgia (1993/1994), pp. 16-17. (no month) Watt, H.V.H. van der, et al. "Amelioration of Subsoil Acidity by Application of a Coal-derived Calcium Fulvate to the Soil Surface" Nature (1991) Vol. 350(6314), 104 pp. 146-148. (no month W.B. McLean & Sons of Clermont Florida, Correspondence to Mr. Bill Paul; 105 (December 28, 1993), 2 pages. W.B. McLean & Sons of Clermont Florida, Correspondence to Mr. Bill Paul: 106 (February 4, 1994), 2 pages. W.B. McLean & Sons of Clermont Florida, Facsimile Correspondence to Mr. 107 Gurney; (No Date), 2 pages. W.B. McLean & Sons of Clermont Florida, Correspondence to Mr. Lex; 108 (No Date), 2 pages. Wild, Brian, "Enhanced Natural Decay Control in Citrus Fruit" Published by 109 Gosford Horticulture Postharvest Laboratory Gosford, NSW (No Date), 7 pages. Windhols, M. (editor) "Definition of Calcium Phosphate (CAHPO₃)" Merck Index, 110 11th ed. (1994) page 256. / 6 Yuda et al, "Search for Efficient Phosphorus Fertilization," Proc. Intern'l. Soc. 111 Citriculture, 1981 (No Month).

Examiner Signature	WAYNE A. LANGEL	Date Considered	4-10-02

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